

More About Europa

Books

Non-Fiction:

Beatty, J.K., and A. Chaikin, eds. (1990) *The New Solar System*, Third Edition, Cambridge University Press, Cambridge.

Beebe, R. (1997) *Jupiter: the Giant Planet*, Smithsonian Institute Press, Washington, D.C.

Christiansen, E.H., and W.K. Hamblin (1995) *Exploring the Planets*, Second Edition, Prentice-Hall, Englewood Cliffs, New Jersey.

Morrison, D., and M.S. Matthews, eds. (1981) *Satellites of Jupiter*, University of Arizona Press, Tucson.

Rogers, J.H. (1995) *The Giant Planet Jupiter*, Cambridge University Press, Cambridge.

Fiction:

Clarke, Arthur C.

(1968) *2001: A Space Odyssey*, New American Library.

(1982) *2010: Odyssey Two*, Del Rey Books, Ballantine.

(1987) *2061: Odyssey Three*, Del Rey Books, Ballantine.

(1997) *3001: The Final Odyssey*, Del Rey Books, Random House.

- The *Odyssey* series chronicles the relationship between humans and a mysterious alien object known as the Monolith. In 2010, the Monolith transforms Jupiter into a miniature sun, allowing life to evolve in a sub-surface ocean on the moon Europa.

Hawthorne, Nathaniel

(1931) *Tanglewood Tales*. Standard Book Company, New York.

- One of the short stories appearing in this book, called "The Dragon's Teeth," is a classic rendition of the myth of Jupiter's abduction of Europa, and her brother's search for her.

- Also available at <http://eldred.ne.mediaone.net/nh/tt04.html>

Ovid (43 B.C.-17 or 18 A.D.)

Metamorphoses (English version). Translated by D. R. Slavitt, Johns Hopkins University Press, c1994.

- Original myth of Europa's abduction by Jupiter.

Journal Articles:

Anderson, J.D., et. al., 1997. Europa's differentiated internal structure: inferences from two Galileo encounters. *Science*, v. 276, no. 5316, p. 1236(4)

Belton, M.J.S., et al., 1996. Galileo's first images of Jupiter and the Galilean satellites. *Science*, v. 274, no. 5286, p. 377(9).

Carroll, M., 1996. Sea-ice ridges on Jupiter's moon Europa? *Astronomy*, v. 24, p. 22+.

Kerr, R.A., 1996. Galileo turns geology upside down on Jupiter's icy moons. *Science*, v. 274, no. 5286, p. 341(1).

Ross, M., G. Schubert, 1987. Tidal heating in an internal ocean model of Europa. *Nature*, v. 325, p. 133(2).

Svitil, K.A., 1997. Water world. *Discover*. v. 18, no. 5, p. 86(4).

Internet Sites

Europa:

NASA/JPL Europa Fact Sheet <http://www.jpl.nasa.gov/galileo/europa>

NASA/JPL Galileo Europa Mission <http://www.jpl.nasa.gov/galileo/gem>

USGS: Europa Place Names

<http://wwwflag.wr.usgs.gov/USGSFlag/Space/nomen/jupiter/euroTOC.html>

Galileo:

NASA/JPL Project Galileo Home Page <http://www.jpl.nasa.gov/galileo>

SSI Education and Public Outreach <http://www.jpl.nasa.gov/galileo/sepo>

National Space Science Data Center <http://nssdc.gsfc.nasa.gov/planetary/galileo.html>

Solar System:

Planetary Photojournal <http://photojournal.jpl.nasa.gov>

Welcome to the Planets (JPL) <http://pds.jpl.nasa.gov/planets>

NASA Spacelink <http://spacelink.nasa.gov>

Galileo K-12 Educational Activities Page

Last modified 8/27/98 by Brian Exton